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**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

Application Number

10/661,381

Filing Date

September 12, 2003

First Named Inventor

Robert Dubrow

Group Art Unit

1733

Examiner Name

Unassigned

Total Number of Pages in This Submission

7

Attorney Docket Number

40-002810US

**ENCLOSURES (check all that apply)**

- ☐ Fee Transmittal Form  
☐ Fee Attached
- ☐ Amendment / Response  
☐ After Final  
☐ Affidavits/declaration(s)
- ☐ Extension of Time Request
- ☐ Express Abandonment Request
- ☒ Information Disclosure Statement
- ☐ Certified Copy of Priority Document(s)
- ☐ Response to Missing Parts/Incomplete Application  
☐ Response to Missing Parts under 37 CFR 1.52 or 1.53

- ☐ Assignment Papers (for an Application)
- ☐ Drawing(s)
- ☐ Licensing-related Papers
- ☐ Petition Routing Slip (PTO/SB/69) and Accompanying Petition
- ☐ Petition to Convert to a Provisional Application
- ☐ Power of Attorney, Revocation Change of Correspondence Address
- ☐ Terminal Disclaimer
- ☐ Small Entity Statement
- ☐ Request for Refund

- ☐ After Allowance Communication to Group
- ☐ Appeal Communication to Board of Appeals and Interferences
- ☐ Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
- ☐ Proprietary Information
- ☐ Status Letter
- ☒ Additional Enclosure(s) (please identify below):

Cited References and Receipt Acknowledgment Postcard

**Authorization to Charge Deposit Account**

Please charge Deposit Account No. 50-0893 for any additional fees associated with this paper or during the pendency of this application, including any extensions of time for consideration of the documents enclosed.

Remarks

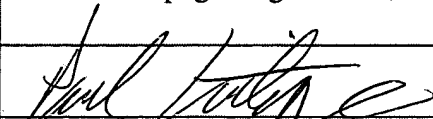
**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm or Individual name

Paul Littlepage Reg. No. 48,581, Quine Intellectual Property Law Group, P.C.

Signature

Date

  
 June 3, 2004
**CERTIFICATE OF MAILING**

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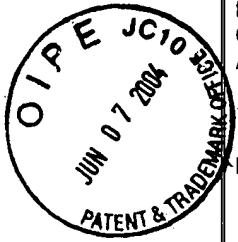
Deborah Berwick

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Date

June 3, 2004



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QUINE INTELLECTUAL PROPERTY LAW GROUP, P.C.

By Deborah Berwick  
Deborah Berwick

Attorney Docket No. 40-002810US  
Client Ref. No. 01-002810

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Robert Dubrow, et al.

Application No.: 10/661,381

Filed: September 12, 2003

For: STRUCTURES, SYSTEMS AND  
METHODS FOR JOINING  
ARTICLES AND MATERIALS AND  
USES THEREFOR

Examiner: Unassigned

Art Unit: 1733

INFORMATION DISCLOSURE  
STATEMENT UNDER 37 CFR § 1.97 and  
§ 1.98

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

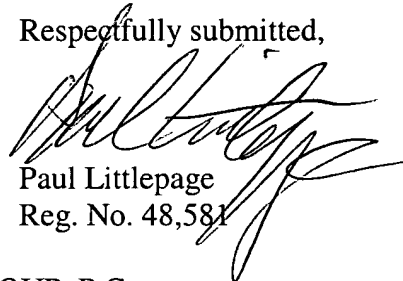
The references cited on attached form PTO-1449 are being called to the attention of the Examiner. Copies of the references are enclosed. It is respectfully requested that the cited information be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no

representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicant believes that no fee is required for submission of this statement, since it is being submitted prior to the first Office Action on the merits per 37 CFR 1.97(b)(3). However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 50-0893. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,

A handwritten signature in dark ink, appearing to read 'Paul Littlepage', is written over the typed name and registration number.

Paul Littlepage  
Reg. No. 48,581

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Substitute for form 1449A-B/PTO

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(use as many sheets as necessary)

## Complete if Known

Application Number	10/661,381
Filing Date	September 12, 2003
First Named Inventor	Robert Dubrow
Group Art Unit	1733
Examiner Name	Unassigned
Attorney Docket Number	40-002810US
Date Submitted	June 3, 2004

## U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, lines, Where Relevant Passages or Relevant Figures Appeal
		Number	Kind Code (if known)			
	1	60/466,229		Dubrow	04-28-2003	
	2	10/792,402		Dubrow et al.	03-02-2004	
	3	2003/0124312	A1	Autumn	07-03-2003	
	4	2004/0005454	A1	Full et al.	01-08-2004	
	5	2004/0026684	A1	Empedocles	02-12-2004	
	6	5,196,396		Lieber	03-23-1993	
	7	5,252,835		Lieber et al.	10-12-1993	
	8	5,332,910		Haraguchi et al.	07-26-1994	
	9	5,505,928		Alivisatos et al.	04-09-1996	
	10	5,690,807		Clark, Jr. et al.	11-25-1997	
	11	5,751,018		Alivisatos et al.	05-12-1998	
	12	5,840,435		Lieber et al.	11-24-1998	
	13	5,897,945		Lieber et al.	04-27-1999	
	14	5,990,479		Wess et al.	11-23-1999	
	15	5,997,832		Lieber et al.	12-07-1999	
	16	6,036,774		Lieber et al.	03-14-2000	
	17	6,048,616		Gallagher et al.	04-11-2000	
	18	6,136,156		El-Shall et al.	10-24-2000	
	19	6,159,742		Lieber et al.	12-12-2000	
	20	6,190,634	B1	Lieber et al.	02-20-2001	
	21	6,207,229	B1	Bawendi et al.	03-27-2001	
	22	6,225,198	B1	Alivisatos et al.	05-01-2001	
	23	6,306,736	B1	Alivisatos et al.	10-23-2001	
	24	6,413,489	B1	Ying et al.	07-02-2002	
	25					

Examiner Signature		Date Considered	
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Substitute for form 1449A-B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)	<b>Complete if Known</b>	
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	Examiner Name	<b>Unassigned</b>
	Attorney Docket Number	<b>40-002810US</b>
	Date Submitted	<b>June 3, 2004</b>

FOREIGN PATENT DOCUMENTS								
Examiner Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	Number	Kind Code (if known)				
	26	WO	96/29629	A2	President and Fellows of Harvard College	09-26-1996		
	27	WO	02/17362	A2	President and Fellows of Harvard College	02-28-2003		
	28	WO	02/080280	A1	The Regents of the University of California	10-10-2002		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
	29	AUTUMN ET AL. (2000) "Adhesive force of a single gecko foot-hair" 405:681-685.	
	30	BJORK ET AL. (2002) "One-dimensional steeplechase for electrons realized." <i>Nano Letters</i> 2:86-89.	
	31	CAO AND BANIN (2000) "Growth and properties of semiconductor core/shell nanocrystals with InAs cores." <i>Journal of the American Chemistry Society</i> 122:9692-9702.	
	32	CUI ET AL. (2000) "Doping and electrical transport in silicon nanowires." <i>Journal of Physical Chemistry B</i> 104(22):5213-5216	
	33	CUI ET AL. (2001) "Diameter-controlled synthesis of single-crystal silicon nanowires." <i>Applied Physics Letters</i> 78(15): 2214-2216.	
	34	DABBOUSI ET AL. (1997) "(CdSe)ZnS core-shell quantum dots: Synthesis and characterization of a size series of highly luminescent nanocrystallites" <i>Journal of Physical Chemistry B</i> 101(46):9463-9475.	
	35	DUAN ET AL. (2000) "General synthesis of compound semiconductor nanowires" <i>Advanced Materials</i> 12(4): 298-302.	
	36	GUDI KSEN ET AL. (2000) "Diameter-selective synthesis of semiconductor nanowires" <i>Journal of the American Chemical Society</i> 122:8801-8802.	
	37	GUDI KSEN ET AL. (2001) "Synthetic control of the diameter and length of single crystal semiconductor nanowires" <i>Journal of Physical Chemistry B</i> 105(19):4062-4064.	
	38	GUDI KSEN ET AL. (2002) "Growth of nanowire superlattice structures for nanoscale photonics and electronics" <i>Nature</i> 415:617-620.	
Examiner Signature			Date Considered

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	Attorney Docket Number	<b>40-002810US</b>
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39	HARAGUCHI ET AL. (1994) "Polarization Dependence of Light Emitted from GaAs <i>p-n</i> junctions in quantum wire crystals" <i>Journal of Applied Physics</i> 75(8): 4220-4225	
40	HARAGUCHI ET AL. (1996) "Self Organized Fabrication of Planar GaAs Nanowhisker Arrays." <i>Applied Physics Letters</i> 69(3): 386-387.	
41	HIRUMA ET AL. (1993) "GaAs Free-Standing Quantum-Sized Wires." <i>Journal of Applied Physics</i> 74(5):3162-3171.	
42	JUN ET AL. (2001) "Controlled synthesis of multi-armed CdS nanorod architectures using monosurfactant system." <i>Journal of the American Chemical Society</i> 123(21): 5150-5151.	
43	KONG ET AL. (1998) "Chemical Vapor Deposition of Methane for Single-Walled Carbon Nanotubes." <i>Chemical Physics Letters</i> 292: 567-574.	
44	KONG ET AL. (1998) "Synthesis of Individual Single-Walled Carbon Nanotubes on Patterned Silicon Wafers." <i>Nature</i> 395, 878-881.	
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46	MANNA ET AL. (2000) "Synthesis of Soluble and Processable Rod-, Arrow-, Teardrop-, and Tetrapod-Shaped CdSe Nanocrystals." <i>Journal of the American Chemical Society</i> 122:12700-12706.	
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49	PENG ET AL. (1997) "Epitaxial growth of highly luminescent CdSe/CdS core/shell nanocrystals with photostability and electronic accessibility." <i>Journal of the American Chemical Society</i> 119(30): 7019-7029.	
50	PENG ET AL. (2000) "Shape control of CdSe nanocrystals." <i>Nature</i> 404:59-61.	
51	PUNTES ET AL. (2001) "Colloidal nanocrystal shape and size control: The case of cobalt." <i>Science</i> 291:2115-2117.	
52	SCHON ET AL. (2001) "Self-assembled monolayer organic field-effect transistors." <i>Nature</i> 413:713-716.	
53	THESS ET AL. (1996) "Crystalline Ropes of Metallic Carbon Nanotubes." <i>Science</i> 273: 483-487.	
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55	WU ET AL. (2002) "Block-by-block growth of single-crystalline Si/SiGe superlattice nanowires." <i>Nano Letters</i> 2(2): 83-86.	
56	YAZAWA (1993) "Semiconductor Nanowhiskers." <i>Advanced Materials</i> 5(7/8):577-580.	
57	YUN ET AL. (2002) "Ferroelectric Properties of Individual Barium Titanate Nanowires Investigated by Scanned Probe Microscopy." <i>Nano Letters</i> 2(2): 447-450.	
58	ZHOU ET AL. (1997) "Nanoscale Metal/Self-Assembled Monolayer/Metal Heterostructures." <i>Applied Physics Letters</i> 71(5):611-613.	

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